

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1471860

Luminaire Tested: 24PTR-72S-PC3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72S-PC3-L835-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

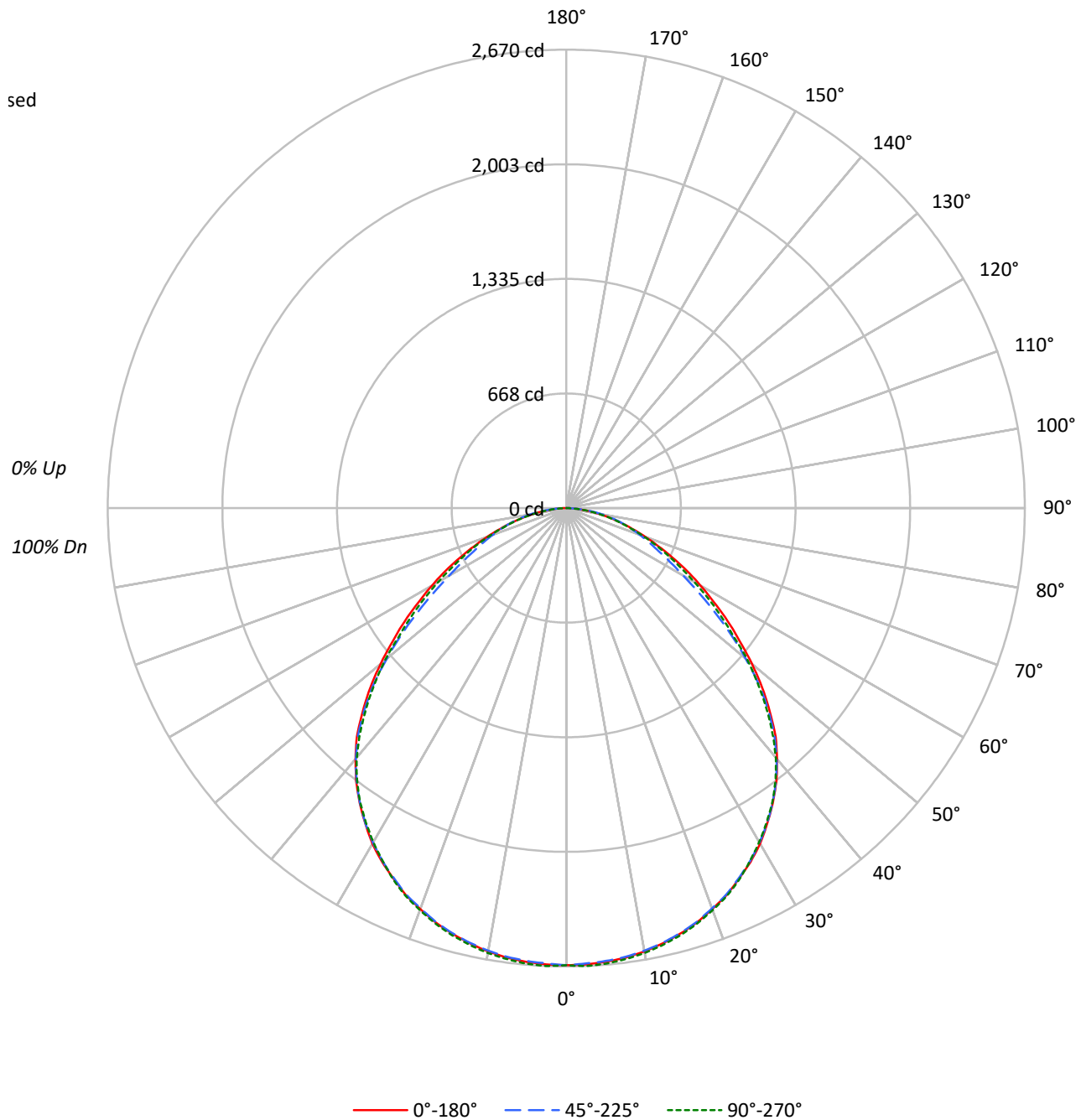
Lumens per Lamp: N/A
Luminaire Lumens: 6712.3 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3582	3582	3582
5°	3583	3577	3597
10°	3583	3577	3596
15°	3575	3571	3587
20°	3559	3553	3568
25°	3534	3529	3543
30°	3508	3496	3490
35°	3444	3441	3435
40°	3353	3348	3333
45°	3189	3165	3133
50°	2952	2853	2885
55°	2694	2476	2587
60°	2429	2112	2316
65°	2171	1889	2083
70°	1926	1787	1873
75°	1704	1732	1669
80°	1469	1654	1461
85°	1101	1309	1101

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3196 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.5	3.8
10°-20°	724.8	10.8
20°-30°	1097.4	16.3
30°-40°	1308.4	19.5
40°-50°	1278.4	19.0
50°-60°	977.5	14.6
60°-70°	627.6	9.4
70°-80°	349.2	5.2
80°-90°	96.4	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2074.7	30.9
0°-40°	3383.1	50.4
0°-60°	5639.1	84.0
0°-90°	6712.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6712.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2662	2662	2662	2662	2662	
5°	2653	2655	2648	2661	2663	252
15°	2566	2568	2563	2572	2575	724
25°	2381	2384	2377	2385	2386	1098
35°	2097	2099	2095	2094	2091	1310
45°	1676	1680	1664	1660	1647	1290
55°	1148	1109	1055	1068	1103	1026
65°	682	629	593	613	654	680
75°	328	330	333	329	321	350
85°	71	84	85	82	71	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2662.4	2662.4	2662.4	2662.4	2662.4
2.5°	2660.7	2661.7	2654.8	2666.2	2670.0
5°	2653.1	2654.8	2648.2	2660.7	2663.4
7.5°	2641.6	2643.4	2636.8	2649.2	2650.3
10°	2622.6	2623.6	2617.8	2630.2	2632.0
12.5°	2597.0	2599.8	2593.2	2604.6	2605.3
15°	2566.2	2568.3	2563.4	2572.1	2574.9
17.5°	2530.2	2531.3	2526.4	2535.8	2536.8
20°	2485.3	2485.3	2481.4	2492.2	2492.2
22.5°	2439.6	2436.8	2435.8	2439.6	2445.5
25°	2380.8	2383.5	2377.0	2384.6	2386.3
27.5°	2323.7	2323.7	2317.8	2321.6	2316.8
30°	2257.9	2254.1	2250.3	2251.0	2246.5
32.5°	2178.7	2178.7	2177.0	2177.0	2171.1
35°	2097.0	2098.8	2095.0	2093.9	2091.2
37.5°	2009.2	2012.3	2005.4	2003.6	2001.6
40°	1909.2	1909.2	1906.4	1902.6	1897.8
42.5°	1805.4	1805.4	1793.3	1783.6	1777.0
45°	1676.0	1679.8	1663.5	1659.7	1646.6
47.5°	1547.3	1544.5	1522.7	1519.9	1512.3
50°	1410.3	1394.0	1362.9	1371.2	1378.1
52.5°	1273.2	1253.2	1207.5	1216.8	1228.3
55°	1148.3	1108.6	1055.3	1068.4	1102.7
57.5°	1017.9	964.6	911.3	936.3	978.8
60°	902.7	842.8	784.7	811.3	860.8
62.5°	792.3	728.7	681.9	707.6	749.4
65°	681.9	629.4	593.4	613.1	654.3
67.5°	580.9	545.6	521.1	530.4	563.6
70°	489.6	467.4	454.3	457.1	476.1
72.5°	402.7	397.2	392.4	392.4	394.1
75°	327.7	330.4	333.2	328.7	321.1
77.5°	258.1	267.5	274.4	264.7	255.3
80°	189.6	204.8	213.5	202.8	188.6
82.5°	129.4	146.7	149.5	142.9	126.6
85°	71.3	83.7	84.8	82.0	71.3
87.5°	26.6	31.5	34.3	31.5	27.7
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.9	16.5	15.3	16.8	17.1	14.7	16.2	15.0	16.5	16.9
	3H	16.3	17.7	16.7	18.1	18.4	16.1	17.5	16.5	17.9	18.2
	4H	16.9	18.2	17.3	18.5	18.9	16.7	18.0	17.1	18.3	18.7
	6H	17.3	18.5	17.7	18.9	19.2	17.1	18.3	17.5	18.7	19.1
	8H	17.4	18.5	17.8	18.9	19.3	17.2	18.4	17.6	18.8	19.2
	12H	17.5	18.6	17.9	18.9	19.4	17.3	18.4	17.7	18.8	19.2
4H	2H	15.3	16.6	15.7	17.0	17.3	15.1	16.4	15.5	16.8	17.1
	3H	17.0	18.1	17.4	18.5	18.9	16.8	17.9	17.2	18.3	18.7
	4H	17.7	18.6	18.1	19.1	19.5	17.5	18.5	17.9	18.9	19.3
	6H	18.2	19.1	18.7	19.5	20.0	18.1	18.9	18.5	19.4	19.8
	8H	18.4	19.2	18.8	19.6	20.1	18.2	19.0	18.7	19.5	19.9
	12H	18.5	19.2	19.0	19.7	20.1	18.3	19.1	18.8	19.5	20.0
8H	4H	17.9	18.7	18.4	19.2	19.6	17.8	18.6	18.2	19.0	19.5
	6H	18.6	19.3	19.1	19.8	20.2	18.5	19.1	19.0	19.6	20.1
	8H	18.8	19.4	19.4	19.9	20.4	18.7	19.3	19.2	19.8	20.3
	12H	19.0	19.5	19.5	20.0	20.6	18.9	19.4	19.4	19.9	20.5
12H	4H	18.0	18.7	18.4	19.1	19.6	17.8	18.5	18.3	19.0	19.5
	6H	18.7	19.3	19.2	19.7	20.3	18.5	19.1	19.1	19.6	20.1
	8H	19.0	19.5	19.5	20.0	20.5	18.8	19.4	19.3	19.9	20.4

(END OF REPORT)